October-07-13 9:10:24 AM D3916-5 Item ID: **Revision ID:**

Required Date: 10/07/13

Accept

N900040100

Setup Start

Item Name: **Start Date:**

Light Rib 10/07/13

Start Qty: 20.00

Req'd Qty: 20.00

Cust Item ID:

Customer:

Reference:

Approvais:

Process Plan: MLJ Date: 13-10-08 Tooling:

Date:

Run

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/ Work Center ID Draw Nbr

Operation Description

Revision Nbr

Set Up/ **Run Hours** Tool ID

Tool # Plan Code

Accept **Qty**

Reject Reject **Qty** Number

CC 13-11-12

Insp. Stamp

D3916 100

Α

100

Large Fab Large Fab

Memo

0.00

0.00

1- Cut tube 50"

2- Bend tube with manuel pipe bender as per DT9566 *** Make line at 9.00" annd use jig for other line***

3- Trim access tube material to finish size as per dwg D3916

110

QC6- Inspect dimensions to drawing

0.00

Quality Control

QC

Memo

0.00

13-11-13

120

120

Packaging

Identify as per dwg & Stock Location:

all

Memo

0.00

0.00

13.11.13

Packaging

Bookt

| | | | ≠ C o | 3 |
|------|---------|-------|--------------|---|
| | DQA: | Date: | | |
| DATE | <u></u> | | | |

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

| | • | | | | | | | • | | QA Closed: | Dat | te: | | | |
|---------------|--------------------------|-----------------|----------|-------------------|--------------------------------|---------------------|----------------------------|---------------------|------------------------|---------------|--------------|--------------------|---|--|--|
| Work Orde | r. | | | | DISPOSITION | | AGAINST DEPARTMENT/PROCESS | | | | | | | | |
| Part N | | Rework Scrap |] | | Skid-tube Machining | Crosstube Small Fab | Pro | Engineering Quality | | | | | | | |
| | | | | | Use-as-is Work Order Update | | | noforming Large Fab | Finishing Composite | | | | | | |
| Root | | | | Descr | iption of work order update | In | itial | Ad | ction | Sign & | | | ٦ | | |
| Cause | Date | Step | Qty | | or Non-conformance | Chie | ef Eng | Desc | cription | Date | Verification | n QC Inspector | | | |
| Doc/Data | | | | | | | | | | | | | | | |
| Equip/Tooling | | | | | | 1 | | | | | | | | | |
| Operator [| | 1 | | | | | | | | | | | | | |
| Material [| | | | | | | | | | | | | | | |
| Setup | | | | | | | | | | ļ | | | | | |
| Other [| | | | | | | | | | | | | | | |
| Process | | | | | | 1 | | | | | | | | | |
| Supplier | | | | | | | | | | | | | | | |
| Training | | | | | | | | | | | | | | | |
| Unapproved | | | | | | 1 | | | | | | | | | |
| | | | | | F | AULT | CATE | GORY | | | | | | | |
| Landir | ng Gear | | | | General | | | | | _ | | | | | |
| | Bending | | | | Bend | Grain | | | | Ovalized | | Pressure/Forced | | | |
| | Centre N | ot Conce | ntric to | 0/\$ <i>‡.</i> ;; | BOM/Route | | Hardware | | | Over/Under | tolerance | Temperature/Cure | | | |
| [| Cracks . E . | | | | Broken/Damaged | L | nspecti | on Incomplete | | Part Incorred | ct | Weld | | | |
| | Crushed/Crimped | | | | Burrs | | nstruct | ions Incomplete, | /Unclear | Part Lost/Mi | ssing | Wrong Stock Pulled | | | |
| | Cuffs | | | | Contamination | | Mainte | nance | | Part Moved | | | | | |
| | Heat Tre | at | | | Countersink | | Mislabe | led | | Positioned V | Vrong | | | | |
| | Inspection | on Strip in | Tube | | Cut Too Short | | Misreac | 1 | | Power Loss/ | Surge | Other | | | |
| | Ripples i | n Bend | | | Drill Holes | | Offset | | | | | | | | |
| | Torque \ | Waves in I | xtrusio | n , 🗀 | Drawing | | Out of (| Calibration | | | | | | | |
| | Turning | Sequence | | · _ | Finish | | Out of S | Sequence | | | | | | | |
| | Wave/Twist in Tube Folio | | | | | \Box | Outside | | | | | | | | |

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| | | | | | | | DQA: | Date: | ate: | | |
|---------------|------|------|-----|--------|------------------------------|-------------------------|-------------|-------|----------------|---------------------------|--------------|
| NCR: Yes | / No | | | | WORK ORDER NON-C | CONFORM | QA Closed: | Date: | | | |
| Work Order: | | | | | DISPOSITION | | PARTMENT | | | | |
| Part No. | | | | | Rework Scrap Use-as-is | rap Machining Small Fab | | | Pro Rec/Sto | Engineering Quality Other | |
| NCR No. | | | | | Work Order Update | 1 | Large Fab | | Supplier | | |
| Root | | | | Descri | ption of work order update | Initial | Ac | tion | Sign & | | |
| Cause | Date | Step | Qty | C | or Non-conformance | Chief Eng | Description | | Date | Verification | QC Inspector |
| Doc/Data | | | | | | | | | | | |
| Equip/Tooling | | | | * | | | | | | | |
| Operator | | | | | | | | • | | | |
| Material | | , | | | | | | | 1 | | |

FAULT CATEGORY Landing Gear General Ovalized Pressure/Forced Bend Grain Bending BOM/Route Over/Under tolerance Temperature/Cure Centre Not Concentric to O/S Hardware Weld Broken/Damaged Inspection Incomplete Part Incorrect Cracks Wrong Stock Pulled Part Lost/Missing Crushed/Crimped Instructions Incomplete/Unclear Burrs Part Moved Cuffs Contamination Maintenance Countersink Mislabeled Positioned Wrong Heat Treat Other Inspection Strip in Tube Cut Too Short Misread Power Loss/Surge Ripples in Bend Drill Holes Offset Torque Waves in Extrusion Drawing Out of Calibration Turning Sequence Finish Out of Sequence Wave/Twist in Tube Folio **Outside Dimensions**

Setup
Other
Process
Supplier
Training
Unapproved

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Page 1

Work Order ID:

108065

Parent Item:

D3916-5

Parent Item Name:

Light Rib

Start Date: 10/07/13

Required Date: 10/07/13

Start Qty: 20.00

Required Qty: 20.00

Comments:

IPP RevA: new issue DD 09.11.23 verified by:EC 10.03.15 verified by:EC

IPP Rev:B as per dwg revA

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|
| M304TS0.500W.049 Square Tubing | | Purchased | No | | | 100 | f | 1,513.6615 | 4.166 | 88 | CC 1. | 3-1/- | 12 |

| Location | Loc Qty | Loc Code | |
|----------|-------------|----------|------|
| WA006 | 1513.661527 | | |
| 118460 | 0.00001534 | | |
| 122938 | 0.266142 | | |
| 123565 | 0.005816 | | |
| 125062 | 556.78 | | |
| 125502 | 246.32156 | | |
| M126080 | 67.287994 | | |
| M126581 | 643 | | (77) |
| | | | |

| NCR: Y | es / No | | | | WORK ORDER NON-C | CON | FORN | MANCE / UPI | DATE | | | | | |
|---------------|------------------|----------|---------------------------------|-------------|--------------------------------|--------------|----------------------------|---------------------|---------------------|--------------|-----------------------|--------------------|--|--|
| | | | | | | | | - | | QA Closed: | Date | <u> </u> | | |
| Work Orde | r: | | | | DISPOSITION | | AGAINST DEPARTMENT/PROCESS | | | | | | | |
| | | | | | Rework | | | Skid-tube | Crosstube | | Water Jet | Engineering | | |
| Part N | lo | | | | Scrap | | | Machining | Small Fab | ł | d. Eng. Coor. | Quality | | |
| NCR N | lo | | | | Use-as-is Work Order Update | | | noforming Large Fab | Finishing Composite | Rec/Sto | re/Packaging Supplier | Other | | |
| NCKI | | <u></u> | · · · · · · · · · · · · · · · · | | Work Order opdate | ¹ | | carge rab | composite | l | 3dphile [| | | |
| Root | | | | Descri | ption of work order update | In | itial | Act | ion | Sign & | | | | |
| Cause | Date | Step | Qty | | or Non-conformance | Chie | ef Eng | Descr | ription | Date | Verification | QC Inspector | | |
| Doc/Data | | | | | | | | | | | | | | |
| Equip/Tooling | | | | | | Ì | | | | | | | | |
| Operator | | |]] | | | | | | | | | | | |
| Material | | | | | | 1 | | | | | | | | |
| Setup | _ | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | |
| Process | | | | | | İ | | | | | | | | |
| Supplier | | | 1 | | | | | | | | | | | |
| Training | | | | | | İ | | | | | | | | |
| Unapproved | | <u></u> | | | · | <u> </u> | | | | | | | | |
| | | | | | | AULT | CATE | GORY | | | | | | |
| Landir | ng Gear | | | _ | General | | | | _ | 7 | _ | ¬ | | |
| | Bending | | | | Bend | \mathbf{H} | Grain | | <u> </u> | Ovalized | | Pressure/Forced | | |
| | Centre N | ot Conce | ntric to C |)/S | BOM/Route | \vdash | łardwa | | <u> </u> | Over/Under | | Temperature/Cure | | |
| | Cracks | | | - | Broken/Damaged | - | - | ion Incomplete | _ | Part Incorre | | Weld | | |
| | Crushed/ | Crimped | | <u> </u> | Burrs | - | | ions Incomplete/ | Jnclear | Part Lost/Mi | issing | Wrong Stock Pulled | | |
| | Cuffs | | | | Contamination | \mathbf{H} | | enance | ļ | Part Moved | | | | |
| | Heat Trea | | | | Countersink | \vdash | ∕Iislabe | | <u> </u> | Positioned V | · - | 7 | | |
| | Inspectio | | Tube | | Cut Too Short | - | ∕lisreac | d | | Power Loss/ | Surge | Other | | |
| | Ripples in | | | | Drill Holes | \vdash | Offset | | | | | | | |
| | Torque V | | | ' <u> </u> | Drawing | \mathbf{H} | | Calibration | | | | | | |
| | Turning Sequence | | | | Finish | | Out of S | Sequence | | | | | | |

Outside Dimensions

DQA:

Date:

Wave/Twist in Tube

Folio

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